



## UNITED STATES DEPARTMENT OF COMMERCE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/189,415	11/10/98	FINLAY	B 07422/013001

HM12/0627

SEED INTELLECTUAL PROPERTY LAW GROUP PLL  
701 FIFTH AVENUE  
SUITE 6300  
SEATTLE WA 98104

EXAMINER

DEVI, S

ART UNIT	PAPER NUMBER
1645	20

DATE MAILED:

06/27/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Jeffrey Pepe  
701 Fifth Avenue, Suite 6300  
Seattle, Washington 98104-7092

- 1) A copy of the Office Communication that was mailed to Applicants on 28 July 2000 (paper no. 15) is being provided in response to the Applicants' request for a copy of the missing Office Communication mailed 28 July 2000 (paper no. 19).
- 2) Any inquiry concerning this communication or earlier communications from the Examiner should be directed to S. Devi, Ph.D., whose telephone number is (703) 308-9347. The Examiner can normally be reached on Monday to Friday from 7.15 a.m to 4.15 p.m. except one day each bi-week, which would be disclosed on the Examiner's voice mail system.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Lynette Smith, can be reached on (703) 308-3909. The fax phone number for this Group is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

S. Devi, Ph.D.  
Patent Examiner  
June 2001

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**

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Washington, D.C. 20231

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/189, 415 11/10/98 FINLAY B 07422/013001

LISA A HAILE  
FISH & RICHARDSON  
4225 EXECUTIVE SQUARE  
SUITE 1400  
LA JOLLA CA 92037

HM12/0728

EXAMINER

DEVIS

ART UNIT

PAPER NUMBER

1645

15  
DATE MAILED:

07/28/00

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks**

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/185,415	11/10/998	Finlay et al.	07422/013001

EXAMINER	
S. Devi, Ph.D	
ART UNIT	PAPER NUMBER
1645	15
DATE MAILED:	

Please find below a communication from the EXAMINER in charge of this application

Commissioner of Patents

1) This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 C.F.R 1.821(a)(1) and (a)(2). A computer readable form (CRF) of the sequence listing was submitted. However, the CRF could not be processed by the Scientific and Technical Information Center (STIC) for the reason(s) set forth on the attached CRF Diskette Problem Report.

2) Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 C.F.R 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 C.F.R 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 C.F.R 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached CRF Diskette Problem Report with the reply.

3) Any inquiry concerning this communication or earlier communications from the Examiner should be directed to S. Devi, Ph.D., whose telephone number is (703) 308-9347. The Examiner can normally be reached on Monday-Friday from 8:00 a.m. to 4:30 p.m. (Eastern Time).

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Lynette Smith, can be reached at (703)308-3909. The FAX phone number for group 1600 is (703)308-4242.

An inquiry of a general nature or relating to the status of the application should be directed to the group receptionist whose telephone number is (703)308-0196.

S. Devi  
July 2000

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Attention is directed to these regulations, published at 1114 OG 23, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.821 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing".
- 5. The computer readable form that has been filed with this application has been found to be unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: \_\_\_\_\_

**Applicant Must Provide:**

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directed into the specification.
- A statement that the content of the paper and computer readable copies are the same and, if applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support (SIRA)

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-308-2600

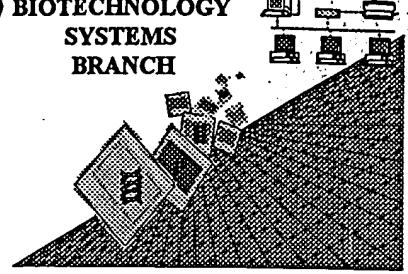
**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

V. Ryan

# RAW SEQUENCE LISTING

## ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/189,415

Art Unit / Team No.: 1641

Date Processed by STIC: 3/10/2000

RECEIVED  
MAR 21 2000  
TC 1600 MAIL ROOM

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**MARK SPENCER 703-308-4212**

# Raw Sequence Listing Error Summary

## ERROR DETECTED    SUGGESTED    CORRECTION

SERIAL NUMBER: 09/189,415

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1  Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".

2  Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".

3  Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.

4  Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5  Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6  Variable Length Sequence(s)  contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7  PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s)  Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.

8  Skipped Sequences (OLD RULES) Sequence(s)  missing. If intentional, please use the following format for each skipped sequence:  
**(2) INFORMATION FOR SEQ ID NO:X:**  
**(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")**  
**(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:**  
**This sequence is intentionally skipped**  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9  Skipped Sequences (NEW RULES) Sequence(s)  missing. If intentional, please use the following format for each skipped sequence.  
**<210> sequence id number**  
**<400> sequence id number**  
**000**

10  Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11  Use of <213>Organism (NEW RULES) Sequence(s)  are missing this mandatory field or its response.

12  Use of <220>Feature (NEW RULES) Sequence(s)  are missing the <220>Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13  PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.

V. Ryan

1641

PAGE : 1

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/189,415**

DATE: 03/10/2000  
TIME: 15:42:36

Input Set: I189415.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

**Does Not Comply  
Corrected Diskette Needed**

1 <110> APPLICANT: Finlay, Brett B  
2 Kenny, Brendan  
3 DeVinney, Rebekah  
4 Stein, Markus  
5 p.2  
6 <120> TITLE OF INVENTION: HOST RECEPTOR FOR PATHOGENIC BACTERIA  
7 <130> FILE REFERENCE: 07422/013001  
8 <140> CURRENT APPLICATION NUMBER: US/09/189,415  
9 <141> CURRENT FILING DATE: 1998-11-10  
10 <150> EARLIER APPLICATION NUMBER: 60/065,130  
11 <151> EARLIER FILING DATE: 1997-11-12  
12 <160> NUMBER OF SEQ ID NOS: 9  
13 <170> SOFTWARE: PatentIn Ver. 2.0  
14 <210> SEQ ID NO 1  
15 <211> LENGTH: 1920  
16 <212> TYPE: DNA  
17 <213> ORGANISM: Escherichia coli  
18 <400> SEQUENCE: 1  
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21 cctgcGCCGc cactacCTTC acAAACAGAC ggCGCGGcac ggggagGAAC tggTCATcta 180  
22 attagCTCTA caggAGCATT aggaTCCTGT tcATTGTTT ctccccTgAG aaATTCTATG 240  
23 gctgATTCTG tcgATTCCAG agatATTCCA ggACTTCCTA caAAACCCATC gaggCTTGCT 300  
24 gcagCTACAT ctgAGACATG ctTgCTTGGa ggATTGAAg ttCTCCATGA taAGGGGCCA 360  
25 ctTgATATTc tcaATAcGCA aATTGGACCC tCTGCATTc gtGTTGAAGt gcAGGCGAGAT 420  
26 ggtACTCATG ccGCTATTGG agaaaaAAAt ggTTGGAGG ttAGCGTTAC attAAAGTCCT 480  
27 caagaATGGA gcagCTTGCA atCTATTGAT actGAGGGTA aaaACAGATT tgTTTTAcc 540  
28 gggggACGTG gcggTAGTGG gcatCCGATG gTCACTGTG CAtCAGATAT CGCGGAAGCT 600  
29 cgtacgaaaa tactGGCCAA attAGACCCa gacaATCATG gaggACGTCA ACCCAAGGAC 660  
30 gttgatacgc gttctgttgg tgTTGGCAGC gCTTCGGAA tagATGATGG cgttGTTAGC 720  
31 gaaACCCATA cttcaACAAC AAATTCCAGC gttcgCTCAG AtCCTAAAtt CTGGGTTCT 780  
32 gtcggcGCAA ttgCTGCTGG tttagCGGGa ctggcGGcaa ctggTATTGc acaggcGTTG 840  
33 gcttGACAC cggAACCGGA tgATCCTACA accACCGATC ctgatcAGGC CGCAAATGCT 900  
34 gcagAAAGTG caacAAAAGA tcAGTTAACG caAGAAAGCAT tcaAGAACCC tgAGAAACAG 960  
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40 actacaACAA cacatacGGT agtGcAGCAA cAgACCGGAG ggATAACCCCA gcacaAGGTG 1320  
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42 gcatcgACAC actGGTcAGA ttccTCTAGC gaAGTGGTTA AtCCATATGc tgaAGTTGGG 1440  
43 gggGCTCGGA atAGTCTATC ggCTCATAG ccAGAAAGAGC AtATTTATGA tgAGGTCGCT 1500  
44 gcagatCCTG gttatAGCgt tattcAGAAt ttTcAGGGa gCGGCCCCAGt taccGGAGG 1560  
45 ttaatAGGAA ctccAGGGCA aggtatCCAA agtacttATG cgTTCTGGC aaACAGCGGC 1620

PAGE: 2

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/189,415**

DATE: 03/10/2000  
 TIME: 15:42:36

Input Set: I189415.RAW

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46 aatgccgcac caacgcaggg accagtagt ttcgtttaaa tatatctgtg agtatttagt 1740
47 tgagggtggg gtgggggtggg ggggcgttt actagcgtta atgttcaga gaacaacgtt 1800
48 gcagcatggg taactcttga acttctgtta ttataatcaa ttaagagaaa ttataatgtc 1860
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51 <211> LENGTH: 549
52 <212> TYPE: PRT
53 <213> ORGANISM: Escherichia coli
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58 20 25 30
59 Gly Thr Gly His Leu Ile Ser Ser Thr Gly Ala Leu Gly Ser Arg Ser
60 35 40 45
61 Leu Phe Ser Pro Leu Arg Asn Ser Met Ala Asp Ser Val Asp Ser Arg
62 50 55 60
63 Asp Ile Pro Gly Leu Pro Thr Asn Pro Ser Arg Leu Ala Ala Ala Thr
64 65 70 75 80
65 Ser Glu Thr Cys Leu Leu Gly Gly Phe Glu Val Leu His Asp Lys Gly
66 85 90 95
67 Pro Leu Asp Ile Leu Asn Thr Gln Ile Gly Pro Ser Ala Phe Arg Val
68 100 105 110
69 Glu Val Gln Ala Asp Gly Thr His Ala Ala Ile Gly Glu Lys Asn Gly
70 115 120 125
71 Leu Glu Val Ser Val Thr Leu Ser Pro Gln Glu Trp Ser Ser Leu Gln
72 130 135 140
73 Ser Ile Asp Thr Glu Gly Lys Asn Arg Phe Val Phe Thr Gly Gly Arg
74 145 150 155 160
75 Gly Gly Ser Gly His Pro Met Val Thr Val Ala Ser Asp Ile Ala Glu
76 165 170 175
77 Ala Arg Thr Arg Ile Leu Ala Lys Leu Asp Pro Asp Asn His Gly Gly
78 180 185 190
79 Arg Gln Pro Lys Asp Val Asp Thr Arg Ser Val Gly Val Gly Ser Ala
80 195 200 205
81 Ser Gly Ile Asp Asp Gly Val Val Ser Glu Thr His Thr Ser Thr Thr
82 210 215 220
83 Asn Ser Ser Val Arg Ser Asp Pro Lys Phe Trp Val Ser Val Gly Ala
84 225 230 235 240
85 Ile Ala Ala Gly Leu Ala Gly Leu Ala Ala Thr Gly Ile Ala Gln Ala
86 245 250 255
87 Leu Ala Leu Thr Pro Glu Pro Asp Asp Pro Thr Thr Thr Asp Pro Asp
88 260 265 270
89 Gln Ala Ala Asn Ala Ala Glu Ser Ala Thr Lys Asp Gln Leu Thr Gln
90 275 280 285
91 Glu Ala Phe Lys Asn Pro Glu Asn Gln Lys Val Asn Ile Asp Ala Asn
92 290 295 300
93 Gly Asn Ala Ile Pro Ser Gly Glu Leu Xaa Asp Asp Ile Val Glu Gln
94 305 310 315 320

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W--&gt;

See Item 10  
 on Error Summary  
 Sheet

PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/189,415DATE: 03/10/2000  
TIME: 15:42:36

Input Set: I189415.RAW

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 98                      340                      345                      350  
 99       Arg Arg Gln Glu Glu Leu Gln Leu Ser Ser Gly Ile Gly Tyr Gly Leu  
 100                      355                      360                      365  
 101       Ser Ser Ala Leu Ile Val Ala Gly Gly Ile Gly Ala Gly Val Thr Thr  
 102                      370                      375                      380  
 103       Ala Leu His Arg Arg Asn Gln Pro Ala Glu Gln Thr Thr Thr Thr  
 104                      385                      390                      395                      400  
 105       Thr His Thr Val Val Gln Gln Gln Thr Gly Gly Ile Pro Gln His Lys  
 106                      405                      410                      415  
 107       Val Ala Leu Met Pro Gln Glu Arg Arg Phe Ser Asp Arg Arg Asp  
 108                      420                      425                      430  
 109       Ser Gln Gly Ser Val Ala Ser Thr His Trp Ser Asp Ser Ser Ser Glu  
 110                      435                      440                      445  
 111       Val Val Asn Pro Tyr Ala Glu Val Gly Gly Ala Arg Asn Ser Leu Ser  
 112                      450                      455                      460  
 113       Ala His Gln Pro Glu Glu His Ile Tyr Asp Glu Val Ala Ala Asp Pro  
 114                      465                      470                      475                      480  
 115       Gly Tyr Ser Val Ile Gln Asn Phe Ser Gly Ser Gly Pro Val Thr Gly  
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 117       Arg Leu Ile Gly Thr Pro Gly Gln Gly Ile Gln Ser Thr Tyr Ala Leu  
 118                      500                      505                      510  
 119       Leu Ala Asn Ser Gly Gly Leu Arg Leu Gly Met Gly Gly Leu Thr Ser  
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 132 ccgttggat ctcgtgcgtt atttacgcct gtaaggaatt ctatggctga ttctggcgac 180  
 133 aatcgtgccaa gtatgttcc tggacttcct gtaaatccga tgcgcctggc ggcgtctgag 240  
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 142 ggtctgatag ggttggcgcc gacgggtatt gtacaggcgc ttgcattgac gccggagccg 780  
 143 gatagccaa ccacgaccga ccctgatgca gctgcaagtg caactgaaac tgcgacaaga 840  
 144 gatcagttaa cggaaagaagc gttccagaac ccagataatc aaaaagttaa tatcgatgag 900

PAGE: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/189,415DATE: 03/10/2000  
TIME: 15:42:36

Input Set: I189415.RAW

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 157 agcgctgtga atacttcgaa taacccacca gcgcgggat cccatcggtt cgtctaaata 1680  
 158 tatccataat cattttattt agagggaggg agggggaaag tct 1723

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160 &lt;211&gt; LENGTH: 559

161 &lt;212&gt; TYPE: PRT

162 &lt;213&gt; ORGANISM: Escherichia coli

163 &lt;400&gt; SEQUENCE: 4

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167						20				25					30	
168	Gly	Gln	Leu	Ile	Asn	Ser	Thr	Gly	Pro	Leu	Gly	Ser	Arg	Ala	Leu	Phe
169					35				40				45			
170	Thr	Pro	Val	Arg	Asn	Ser	Met	Ala	Asp	Ser	Gly	Asp	Asn	Arg	Ala	Ser
171					50			55			60					
172	Asp	Val	Pro	Gly	Leu	Pro	Val	Asn	Pro	Met	Arg	Leu	Ala	Ala	Ser	Glu
173					65			70			75				80	
174	Ile	Thr	Leu	Asn	Asp	Gly	Phe	Glu	Val	Leu	His	Asp	His	Gly	Pro	Leu
175					85				90				95			
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179					115			120			125					
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181					130			135			140					
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183					145			150			155			160		
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185					165			170			175					
186	Gln	Arg	Ile	Leu	Glu	Leu	Glu	Pro	Lys	Gly	Thr	Gly	Glu	Ser	Lys	
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189					195			200			205					
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191					210			215			220					
192	Leu	Arg	Ser	Asp	Pro	Lys	Leu	Trp	Leu	Ala	Leu	Gly	Thr	Val	Ala	Thr
193					225			230			235			240		
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RAW SEQUENCE LISTING  
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TIME: 15:42:36

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201 290 295 300  
202 Ile Pro Ser Gly Val Leu Lys Asp Asp Val Val Ala Asn Ile Glu Glu  
203 305 310 315 320  
204 Gln Ala Lys Ala Ala Gly Glu Ala Lys Gln Gln Ala Ile Glu Asn  
205 325 330 335  
206 Asn Ala Gln Ala Gln Lys Lys Tyr Asp Glu Gln Gln Ala Lys Arg Gln  
207 340 345 350  
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209 355 360 365  
210 Leu Ile Leu Gly Gly Ile Gly Val Ala Val Thr Ala Ala Leu His  
211 370 375 380  
212 Arg Lys Asn Gln Pro Val Glu Gln Thr Thr Thr Thr Thr Thr Thr  
213 385 390 395 400  
214 Thr Thr Thr Ser Ala Arg Thr Val Glu Asn Lys Pro Ala Asn Asn Thr  
215 405 410 415  
216 Pro Ala Gln Gly Asn Val Asp Thr Pro Gly Ser Glu Asp Thr Met Glu  
217 420 425 430  
218 Ser Arg Arg Ser Ser Met Ala Ser Thr Ser Ser Thr Phe Phe Asp Thr  
219 435 440 445  
220 Ser Ser Ile Gly Gly Pro Cys Arg Ile Arg Met Leu Met Leu Lys His  
221 450 455 460  
222 Arg Cys Met Ile Arg Arg Cys Arg Leu Leu Ile Leu Ile Arg Leu Phe  
223 465 470 475 480  
224 Arg Ile Trp Gly Ile Gln Ile Ser Val Val Tyr Ser Thr Ile Gln His  
225 485 490 495  
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227 500 505 510  
228 Ser Ala Gly Ile Gln Ser Thr Tyr Ala Arg Leu Ala Leu Ser Gly Gly  
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VERIFICATION SUMMARY  
PATENT APPLICATION US/09/189,415

DATE: 03/10/2000  
TIME: 15:42:36

Input Set: I189415.RAW

Line ? Error/Warning

Original Text

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93 W "N" or "Xaa" used: Feature required Gly Asn Ala Ile Pro Ser Gly Glu Leu Xaa A